

GILA RIVER BASIN

09494000 WHITE RIVER NEAR FORT APACHE, AZ

LOCATION--Lat 33°44'11", long 110°09'58", in SE_{1/4} sec. 32, T.4 N., R.21 E. (unsurveyed), Gila County, Hydrologic Unit 15060102, in Fort Apache Indian Reservation, on right bank 2,200 ft downstream from highway bridge, 4.5 mi upstream from confluence with Black River, and 11 mi west of Fort Apache.

DRAINAGE AREA--632 mi².

PERIOD OF RECORD--Oct. 1917 to Sept. 1918 (published as "at Wanslee's Ranch"), Oct. 1957 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS--WRD AZ 1971: 1967(M).

GAGE--Water-stage recorder. Datum of gage is 4,365.99 ft above sea level. Oct. 12, 1917, to Aug. 31, 1918, nonrecording gage at site 2,100 ft upstream at different datum.

REMARKS--Records fair except for estimated daily discharges, which are poor. Small diversions above station for irrigation of about 1,460 acres. Negligible storage above station in several small recreational lakes.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 14,600 ft³/s Dec. 18, 1978, gage height, 15.71 ft, from rating curve extended above 7,800 ft³/s on basis of slope-area measurement of peak flow; no flow July 18–21, 1963.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
June 28.....	2115	*1,020	*4.21

Minimum daily discharge, 13 ft³/s July 7 and 8.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	35	49	46	44	51	259	194	44	21	e32	23
2	47	35	46	45	38	50	350	182	39	19	e32	23
3	47	37	47	44	34	50	373	173	38	17	e31	20
4	48	42	40	42	42	54	353	172	36	16	e31	66
5	48	40	39	37	43	66	320	174	33	16	e31	84
6	46	39	43	37	40	60	297	175	30	15	e31	55
7	46	39	47	40	39	66	284	188	28	13	e32	42
8	59	38	46	39	39	78	289	187	26	13	e33	35
9	72	38	48	38	41	107	294	188	25	14	e42	31
10	55	37	34	36	42	155	311	187	24	17	e42	29
11	53	39	34	36	41	199	339	185	23	18	e33	27
12	49	43	44	37	42	228	342	183	23	22	e32	26
13	45	164	46	37	40	392	344	178	23	25	e32	25
14	44	176	41	36	38	405	329	158	22	27	e31	24
15	41	107	46	37	41	388	313	141	21	37	e32	22
16	41	86	40	39	41	408	299	125	19	39	e32	21
17	40	77	35	41	39	404	295	117	17	45	e36	19
18	39	72	38	40	41	397	296	115	16	38	e86	19
19	38	67	46	38	44	407	289	103	16	33	e61	27
20	37	62	47	37	46	415	277	91	16	29	51	38
21	36	60	47	41	45	456	261	87	16	28	46	33
22	35	59	44	41	45	548	253	81	15	60	42	27
23	36	55	41	40	46	564	243	76	15	41	37	26
24	36	42	40	38	46	549	236	70	16	29	35	24
25	36	48	41	40	44	534	229	68	16	36	37	25
26	36	57	43	41	43	494	214	67	16	53	34	26
27	37	48	43	32	45	436	209	60	16	36	28	30
28	35	40	37	35	56	370	212	57	71	62	25	28
29	36	38	33	45	53	315	218	53	38	e42	24	27
30	36	51	33	44	---	282	206	48	25	e33	23	37
31	35	---	33	42	---	266	---	47	---	e32	22	---
TOTAL	1337	1771	1291	1221	1238	9194	8534	3930	763	926	1116	939
MEAN	43.1	59.0	41.6	39.4	42.7	297	284	127	25.4	29.9	36.0	31.3
MAX	72	176	49	46	56	564	373	194	71	62	86	84
MIN	35	35	33	32	34	50	206	47	15	13	22	19
AC-FT	2650	3510	2560	2420	2460	18240	16930	7800	1510	1840	2210	1860
CFSM	0.07	0.09	0.07	0.06	0.07	0.47	0.45	0.20	0.04	0.05	0.06	0.05
IN.	0.08	0.10	0.08	0.07	0.07	0.54	0.50	0.23	0.04	0.05	0.07	0.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

MEAN	83.0	111	122	166	357	564	427	144	67.3	116	99.9	
MAX	774	218	715	1125	787	1159	1448	2073	602	187	388	293
(WY)	1984	1987	1979	1993	1980	1985	1979	1973	1973	1967	1988	
MIN	26.8	26.1	31.7	32.0	32.1	35.5	41.3	12.2	4.35	3.90	26.5	19.0
(WY)	2002	2002	2000	1964	2002	2002	2002	2002	2002	1963	1962	1989

SUMMARY STATISTICS FOR 2003 CALENDAR YEAR FOR 2004 WATER YEAR WATER YEARS 1957 - 2004

ANNUAL TOTAL	56705.0	32260	
ANNUAL MEAN	155	88.1	196
HIGHEST ANNUAL MEAN			487
LOWEST ANNUAL MEAN			32.5
HIGHEST DAILY MEAN	924	Mar 17	1993
LOWEST DAILY MEAN	3.0	Jul 14	2000
ANNUAL SEVEN-DAY MINIMUM	4.9	Jul 9	1963
ANNUAL RUNOFF (AC-FT)	112500	63990	142200
ANNUAL RUNOFF (CFSM)	0.246	0.139	0.311
ANNUAL RUNOFF (INCHES)	3.34	1.90	4.22
10 PERCENT EXCEEDS	469	278	517
50 PERCENT EXCEEDS	55	41	79
90 PERCENT EXCEEDS	25	23	32

e Estimated